

PEST SCOUTING REPORT OF WHEAT CROP FOR THE 1ST WEEK OF APRIL, 2020																								
DISTRICT WISE SUMMARY																								
District	Total Spots Visited	Total Area Surveyed (Acres)	Fungicides Treatment				% Pest Insects								Beneficials/ spike	% Disease Incidence								
			Spots	%	Area	%	Spots Above ETL				Spots Below ETL					Smut	Brown Rust	Yellow Rust	Intensity			Powdery Mildew	Downy Mildew	Others
							Aphid	ABW	AW	Other	Aphid	ABW	AW	Other					Low	Medium	High			
<b>RICE ZONE</b>																								
GUJRANWALA	77	681	19	24.68	146	21.44	0.00	0.00	0.00	0.00	20.78	0.00	0.00	0.00	0.00	2.60	0.00	46.75	100.00	0.00	0.00	0.00	0.00	0.00
HAFIZABAD	83	1150	22	26.51	350	0.30	0.00	0.00	0.00	0.00	15.66	0.00	0.00	0.00	0.00	0.00	0.00	72.29	100.00	0.00	0.00	0.00	0.00	0.00
SHEKHUPURA	73	767	21	28.77	285	37.15	0.00	0.00	0.00	0.00	26.03	0.00	0.00	0.00	0.02-0.08	1.37	2.74	9.59	100.00	0.00	0.00	0.00	0.00	0.00
FEROZEWALA	47	426	15	31.91	145	34.00	0.00	0.00	0.00	0.00	19.15	0.00	0.00	0.00	0.005- 0.020	2.13	10.64	14.89	100.00	0.00	0.00	0.00	0.00	0.00
SIALKOT	50	382	14	28.00	114	29.84	0.00	0.00	0.00	0.00	20.00	0.00	0.00	0.00	0.01	0.00	0.00	76.00	73.68	23.68	2.63	0.00	0.00	0.00
NAROWAL	165	1026	23	13.94	243	23.68	0.00	0.00	0.00	0.00	26.67	0.00	0.00	0.00	0.00	0.00	0.00	41.82	100.00	0.00	0.00	0.00	0.00	0.00
GUJRAT	65	532	19	29.23	162	30.45	0.00	0.00	0.00	0.00	29.23	0.00	0.00	0.00	0.00	0.00	0.00	36.92	100.00	0.00	0.00	0.00	0.00	0.00
M.B.DIN	71	336	6	8.45	31	9.22	4.23	0.00	0.00	0.00	38.03	0.00	0.00	0.00	0.00	0.00	5.63	52.11	100.00	0.00	0.00	0.00	0.00	0.00
KASUR	78	299	29	37.18	93	31.10	0.00	0.00	0.00	0.00	11.54	0.00	0.00	0.00	0.01-0.25	0.00	0.00	16.67	100.00	0.00	0.00	0.00	0.00	0.00
LAHORE	78	733	12	15.38	146	19.92	0.00	0.00	0.00	0.00	2.56	0.00	0.00	0.00	0.00	0.00	2.56	8.97	100.00	0.00	0.00	0.00	0.00	0.00
NANKANA	82	707.5	19	23.17	115	16.25	0.00	0.00	0.00	0.00	18.29	0.00	0.00	0.00	0.00	0.00	0.00	19.51	100.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL RICE ZONE</b>	<b>869</b>	<b>7039.5</b>	<b>199</b>	<b>22.90</b>	<b>1830</b>	<b>26.00</b>	<b>0.35</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>21.06</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00-0.25</b>	<b>0.46</b>	<b>1.50</b>	<b>36.13</b>	<b>96.94</b>	<b>2.75</b>	<b>0.31</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>COTTON ZONE</b>																								
MULTAN	115	1336	0	0.00	0	0.00	0.00	0.00	4.35	0.00	14.78	0.00	0.00	0.00	0.4-0.8	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
LODHRAN	170	1470	0	0.00	0	0.00	0.00	0.00	2.94	0.00	4.12	0.00	0.00	0.00	0.1-0.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
KHANEWAL	248	1901	0	0.00	0	0.00	0.00	0.00	2.02	0.00	1.61	0.00	0.00	0.00	0.1-1	0.00	0.00	1.61	100.00	0.00	0.00	0.00	0.00	0.00
VEHARI	178	1277	0	0.00	0	0.00	0.00	0.00	2.25	0.00	4.49	0.00	0.00	0.00	0.01-2	0.00	0.00	3.93	100.00	0.00	0.00	0.00	0.00	0.00
SAHIWAL	170	730	13	7.65	58	7.95	0.00	0.00	0.00	0.00	80.59	0.00	0.00	0.00	0.41	0.00	6.47	56.47	34.58	64.49	0.93	0.00	0.00	0.00
PAKPATTAN	88	523	45	51.14	331	63.29	0.00	0.00	0.00	0.00	39.77	0.00	0.00	0.00	0.23	0.00	7.95	81.82	86.08	8.86	3.80	0.00	0.00	0.00
OKARA	68	446	16	23.53	93	20.85	0.00	0.00	0.00	0.00	25.00	0.00	0.00	0.00	0.88	0.00	0.00	70.59	62.50	29.17	8.33	0.00	0.00	0.00
BAHAWALPUR	217	1518	104	47.93	740	48.75	0.46	0.00	10.60	0.00	33.64	1.38	0.00	0.00	0.00	0.00	0.00	30.88	79.10	20.90	0.00	0.00	0.00	0.00
BAHAWALNAGAR	205	1431	87	42.44	603	42.14	0.00	0.00	0.00	0.00	35.12	0.00	0.00	0.00	0.02	0.00	1.46	40.49	89.53	10.47	0.00	0.00	0.00	0.00
JHANG	163	651	117	54.17	568	56.35	0.00	0.00	0.00	0.00	20.83	0.00	0.00	0.00	0.05-1.85	6.75	7.36	30.06	100.00	0.00	0.00	0.00	0.00	0.00
R.Y.KHAN	221	1700	70	40.70	470	42.92	4.65	0.00	0.00	0.00	54.65	0.00	0.00	0.00	0.63	0.00	0.00	38.01	97.62	2.38	0.00	0.00	0.00	0.00
D.G.KHAN	216	1008	66	45.52	203	21.80	0.00	0.00	0.00	0.00	26.21	0.00	0.00	0.00	0.00	0.00	1.39	62.50	84.06	13.77	2.17	0.00	0.00	0.00
M.GARH	172	1095	70	40.70	470	42.92	0.00	0.00	0.00	0.00	53.55	0.00	0.00	0.00	1.09	0.00	0.58	50.58	100.00	0.00	0.00	0.00	0.00	0.00
RAJANPUR	145	931	66	45.52	203	21.80	0.00	0.00	0.00	0.00	26.21	0.00	0.00	0.00	0.1-0.2	0.00	0.00	48.97	100.00	0.00	0.00	0.00	0.00	0.00
T.T.SING	183	760	29	26.89	132	23.38	0.00	0.00	0.00	0.00	53.55	0.00	0.00	0.00	0.01-0.6	0.00	6.56	15.30	100.00	0.00	0.00	0.00	0.00	0.00
CHINIOT	82	349	17	20.73	67	19.64	0.00	0.00	0.00	0.00	53.66	0.00	0.00	0.00	0.05-0.2	0.00	17.07	19.51	100.00	0.00	0.00	0.00	0.00	0.00
FAISALABAD	134	494.5	22	16.41	88	17.79	0.00	0.00	0.00	0.00	27.61	0.00	0.00	0.00	0.01-0.8	0.00	0.75	5.97	100.00	0.00	0.00	0.00	0.00	0.00
SARGODHA	62	289	25	46.00	113	42.00	0.00	0.00	0.00	0.00	79.03	0.00	0.00	0.00	0.5-1	0.00	0.00	53.23	100.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL COTTON ZONE</b>	<b>2837</b>	<b>17909.5</b>	<b>720</b>	<b>25.38</b>	<b>4234</b>	<b>23.64</b>	<b>0.32</b>	<b>0.00</b>	<b>1.80</b>	<b>0.00</b>	<b>29.54</b>	<b>0.11</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00-1.85</b>	<b>0.39</b>	<b>2.26</b>	<b>31.30</b>	<b>84.66</b>	<b>14.08</b>	<b>1.16</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>BARANI ZONE</b>																								
MIANWALI	60	277	0	0.00	0	0.00	0.00	0.00	0.00	0.00	36.67	0.00	0.00	0.00	0.00-1.5	8.33	0.00	25.00	100.00	0.00	0.00	0.00	0.00	0.00
BHAKKAR	63	157	22	35.00	56	35.66	7.94	0.00	0.00	0.00	92.06	0.00	0.00	0.00	0.9-3.1	11.11	0.00	52.38	100.00	0.00	0.00	0.00	0.00	0.00
LAYYAH	210	1000	0	0.00	0	0.00	1.90	0.00	0.00	0.00	25.71	0.00	0.00	0.00	0.1 0.8	0.00	0.00	57.14	88.33	11.67	0.00	0.00	0.00	0.00
CHAKWAL	24	75.5	1	4.17	2	2.65	0.00	0.00	0.00	0.00	41.67	0.00	0.00	0.00	0.11	8.33	0.00	66.67	100.00	0.00	0.00	0.00	0.00	0.00
ATTOCK	30	53.9	4	13.30	4	8.16	0.00	0.00	0.00	0.00	6.67	0.00	0.00	0.00	3.00	0.00	0.00	53.33	100.00	0.00	0.00	0.00	0.00	0.00
RAWALPINDI	74	133.8	18	0.00	33	0.00	0.00	0.00	0.00	0.00	10.81	0.00	0.00	0.00	0.04-0.5	0.00	0.00	31.08	100.00	0.00	0.00	0.00	0.00	0.00
KHUSHAB	36	141	11	30.55	36	25.53	0.00	0.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00-0.15	0.00	0.00	58.33	100.00	0.00	0.00	0.00	0.00	0.00
<b>TOTAL BARANI ZONE</b>	<b>528</b>	<b>1988.45</b>	<b>56</b>	<b>10.61</b>	<b>131</b>	<b>6.61</b>	<b>1.70</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>38.45</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00-3.1</b>	<b>2.65</b>	<b>0.00</b>	<b>46.97</b>	<b>94.35</b>	<b>5.65</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>G.TOTAL 2020</b>	<b>4234</b>	<b>26937.45</b>	<b>975</b>	<b>19.63</b>	<b>6195</b>	<b>18.75</b>	<b>0.79</b>	<b>0.00</b>	<b>0.60</b>	<b>0.00</b>	<b>29.68</b>	<b>0.04</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00-3.1</b>	<b>1.17</b>	<b>1.25</b>	<b>38.13</b>	<b>88.87</b>	<b>10.28</b>	<b>0.79</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>

**OBSERVATIONS**

1. Total 4234 spots of wheat fields comprising area of 26937.45 acres in 35 districts were surveyed for pests.

2. Aphid infestation AETL has been observed on 0.79% spots in districts M.B.Din (4.23% spots), B.Pur (0.46% spots), R.Y.Khan (4.65% spots), Bhakkar (7.94% spots) and Layyah (1.90% spots)

District	Total Spots Visited	Total Area Surveyed (Acres)	Fungicides Treatment				% Pest Insects								Beneficials/ spike	% Disease Incidence								
			Spots	%	Area	%	Spots Above ETL				Spots Below ETL					Smut	Brown Rust	Yellow Rust	Intensity			Powdery Mildew	Downy Mildew	Others
							Aphid	ABW	AW	Other	Aphid	ABW	AW	Other					Low	Medium	High			

3. **Smut** incidence (1.17% spots) has been observed in the Punjab in districts Gujranwala, Sheikhpura, Ferozwala, Jhang, Mianwali, Chakwal and Bhakkar.

4. **Brown Rust** incidence (1.25% spots) has been observed in district Sheikhpura (2.74% spots), Ferozwala (10.64% spots), M.B.Din (5.63% spots), Lodhran (2.56% spots), Pakpattan( 7.95% spots), D.G.Khan (1.39% spots), B.Nagar (1.46% spots), Jhang (7.36% Spots), M.Garh (6.58% spots),T.T. Singh (6.56% spots), Chiniot (17.07% spots), Faisalabad (0.75% spots) and Sahiwal (6.47% spots).

5. **Yellow Rust** incidence (38.13% spots) has been observed in all the district in Punjab.

6. Up till now 18.75% spots have been treated with fungicides covering 25.18% area.

#### **RECOMMENDATIONS**

1. Farmers are being advised to spray appropriate weedicides on their crops as last resort.
2. Spray suitable fungicide in case of severe infection of Rust.
3. Fungicide Seed treatments are effective in managing Flag Smut